Appl. No. 10/522,513 IDS dated November 30, 2005 Page 1 of 1

PROCESPOTATION OF DEG 200505 P

Docket No. 87792.017905

pplicants

Brownlie et al.

Appl. No.

Filed

10/522,513

January 27, 2005

Title

Canine Respiratory Coronavirus (CRCV) Spike Protein,

Polymerase and Hemagglutinin/Esterase

TC/A.U.

Not Yet Known

Examiner

Not Yet Known

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR §§1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office ("PTO") the references listed on the attached PTO-1449 form. No fee is deemed necessary in connection with the filing of this Information Disclosure Statement ("IDS"), since this IDS is being filed before the mailing of a first Office Action on the merits.

Please direct any questions regarding this application to applicants' undersigned attorney at the number provided.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope andressed to: Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450

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Śusan J. Timian Attorney Reg. No.: 34, 103

11/30/2005 Date

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INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
	1	5672350	09/30/1997	Parker et al.			
	2	5750112	05/12/1998	Gill			
	3	5916570	06/29/1999	Kapil			
	4	6057436 05/02/200		Miller et al.			
Fe 3	5	6280974	08/28/2001	Miller et al.			·
	6	6372224	04/16/2002	Miller et al.			*
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				FOREIGN PATENT DOCUMENTS			
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	7	EP 0 510 773	10/28/1992	EP			
	8	WO 93/23423	11/25/1992	wo			
	9	WO 98/16643	04/23/1998	wo			
	10	WO 99/25838	05/27/1999	wo			
·							
		•		OTHER DOCUMENTS (Including	Author, Title, D	ate, Pertinent Pa	iges, Etc.)
	Appel and Binn (1987), in "Virus infections of carnivores", Appel, Ed., 1st Edition, pp 201-211, Elsevier Science Publishers, Amsterdam						
		н					
	Balaguer et al (1991) Anal Biochem 195:105-110						
EXAMINER			DATE CONSIDERED	DATE CONSIDERED			
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Form PTO-A820 (also form PTO-1449) P09A/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

Docket Number (Optional) Application Number 87792.017905 10/522,513 INFORMATION DISCLOSURE CITATION Applicant(s) Brownlie et al. (Use several sheets if necessary) Group Art Unit Filing Date January 27, 2005 *EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) INITIAI Becker and Guarente (1991) Methods Enzymol 194:182-187 13 Beggs (1978) Nature 275:104-109 14 Bemis et al (1977) Cornell Vet 67:282-293 15 Better et al (1988) Science 240:1041-1047 16 Binn et al (1967) Proc Soc Exp Biol Med 126:140-145 17 Binn et al (1979) Lab Anim Sci 29:48-52 18 Bird et al (1988) Science 242:423-426 19 Cavanagh et al, pp 407-411, in "Virus Taxonomy, 6th Report of the International Committee on Taxonomy of Viruses", Murphy et al, Eds., Springer-Verlag Wein, New York

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and

Coyne and May (1995) "Considerations in using a canine coronavirus vaccine", published as a Pfizer Technical Bulletin at http://www.pfizer.com/ah/vet/tref/trbull/ccv.html)

20

21

22

23

24

Chilvers et al (2001) Eur Respir J 18:965-970

Compton (1991) Nature 350:91-92

not considered. Include copy of this form with next communication to applicant.

Cohen et al (1972) Proc Natl Acad Sci USA 69:2110-2114

			87792.017905	10/522,513		
INFORMATION DISCLOSURE CITATION			Applicant(s) Brownlie et al.			
		(Use several sheets if necessary)	Filing Date Group Art Unit			
			January 27, 2005	Group Art Case		
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
		DiCesare et al (1993) BioTechniques 15:152-157				
	25					
		Ditchfield et al (1962) Can Vet Jour 3:238-247				
	26					
		Erles et al (2003) Virology 310:216-223				
	27					
		Felsenstein (1989) PHYLIP-Phylogeny Inference Package (Version 3.2c), Cladistics 5:164-166				
	28	28				
		GCG Version 10.3: Section of the Program Manu (1982-2002), Genetics Computer Group, 575 Scien	al for the GCG Package, Version 10	.3, relating to the GAP alignment		
	29					
		GenBank Accession No. AF058942 (2000)				
	30					
	31	GenBank Accession No. AAM 77000 (2005)				
		GenBank Accession No. AF124985 (1999)				
		Genbauk Accession No. AF124703 (1777)				
	32					
		GenBank Accession No. AF124986 (1999)				
	33					
		GenBank Accession No. AF124989 (1999)				
	34					
		GenBank Accession No. AF220295 (2003)				
		Gendank Accession 110. At 220275 (2005)				
	35					
		GenBank Accession No. AF481863 (2002)				
	36					
EXAMINER			DATE CONSIDERED			
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Docket Number (Optional)

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not considered. Include copy of this form with next communication to applicant.

Application Number

Application Number Docket Number (Optional) 10/522,513 87792.017905 INFORMATION DISCLOSURE CITATION Applicant(s) Brownlie et al. (Use several sheets if necessary) Filing Date **Group Art Unit** January 27, 2005 *EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) INITIAL GenBank Accession No. L07747 (2001) 37 GenBank Accession No. L14643 (2002) 38 GenBank Accession No. M76373 (2002) 39 GenBank Accession No. M84486 (1993) 40 GenBank Accession No. Z32768 (2002) 41 Grand Laboratories Inc. Technical Information on Scour Bos TM 4. http://www.grandlab.com/bioproducts (2000) 42 Hawoksuz et al (1999) Archives of Virology 144:2441-2447 43 Huston et al (1988) Proc Natl Acad Sci USA 85:5879-5883 44 Iacobelli et al (1988) Breast Cancer Research and Treatment 11:19-30 45 Ignjatovic and Sapats (2000) Rev Sci Tech 19:493-508 46 Jacobs et al (1988) Nucl Acids Res 16:4637-4650 47 Jalkanen et al (1985) J Cell Biol 101:976-984 48

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

Docket Number (Optional) Application Number 87792.017905 10/522,513 INFORMATION DISCLOSURE CITATION Applicant(s) Brownlie et al. (Use several sheets if necessary) Filing Date Group Art Unit January 27, 2005 *EXAMINER OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) INITIAL Jalkanen et al (1987) J Cell Biol 105:3087-3096 49 Karpas et al (1968) Proc Soc Exp Biol Med 127:45-52 50 Keil and Fenwick (1998) J Am Vet Med Assoc 212:200-207 51 Lai and Cavanagh (1997) Adv Vir Res 48:4-22 52 Lou and Wenner (1963) Am J Hyg 77:293-304 53 Lu et al (1981) J Org Chem 46:3433-3436 54 Luchansky et al (1988) Mol Microbiol 2:637-646 55 Makela et al (1998) J Clin Microbiol 36:539-542 56 Morrison et al (1984) Proc Natl Acad Sci USA 81:6851-6855 57 National Office of Animal Health Ltd (NOAH), Middlesex UK(2001), "Compendium of Data Sheets for Veterinary Products 2002-2003". pgs 216-217, 228-231, 322, 355-363, 448-449, 602-604, 700-702, 703-705, 759-761 58 Neuberger et al (1988) 8th International Biotechnology Symposium Part 2, pp 792-799 59 Page (1996) Computer Applications in the Biosciences 12:357-358 60 **EXAMINER** DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

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not considered. Include copy of this form with next communication to applicant.

Docket Number (Optional) 87792.017905	Application Number 10/522,513		
Applicant(s) Brownlie et al.			
Filing Date January 27, 2005	Group Art Unit		

		January 27, 2005		
*EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Pearson and Lipman (1988) Proc Natl Acad Sci USA 85:2444-2448		
	61			
		Pensaert et al (1986) Vet Q 8:257-261		
	62			
		Pfizer Animal Health Technical Services. Label Info for Scour Guard 3K.		
		http://www.americanlivestock.com/showLabelInfo.jsp?productFamilyId=1075		
	63			
-	-	Randolph et al (1993) Am J Vet Res 54:387-391		
	64			
		Saiki et al (1986) Nature 324:163-166		
	65	1		
		Coloring Disush Asing Health Name Anabines (1990) Weshening Disush Animal Health Secures First FII Approval for One		
		Schering-Plough Animal Health News Archives (1999), "Schering-Plough Animal Health Secures First EU Approval for One Shot Calf Scours Vacine" Rotavec TM Corona. http://www.spah.com/usa/news/pr/pr41.cfm		
	66			
		Skerra and Pluckthun (1988) Science 240:1038-1041		
	67			
		Southern (1975) J Mol Biol 98:503-517		
	68	42		
		C		
		Spaan et al (1988) J Gen Virol 69:2939-2952		
	69			
		Stephensen et al (1999) Virus Res 60:181-189		
	70			
	70			
		Storz et al (2000) J Clin Microbiology 38:3291-3298		
	71	, U		
		Tennant et al (1993) Vet Rec 132:7-11		
	72			
EXAMINER	<u> </u>	DATE CONSIDERED		
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*EXAMINER: 1	 Initial if	 f citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and		

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	((Use several sheets if necessary)	Filing Date	Group Art Unit
			January 27, 2005	
*EXAMINER INITIAL		OTHER DOCUMENTS (Including Author,	Title, Date, Pertinent Pages, Etc.)	
		Thompson et al (1997) Nucl Acids Res 25:4876-4	4882	,
	73			
	-	Walker et al (1992) Nucl Acids Res 20:1691-169	6	
	74			
	/-			
		Ward et al (1989) Nature 341:544-546		
	75			
		Winter and Milstein (1991) Nature 349:293-299		
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